

Message

From: Praskins, Wayne [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4F47BC0A2C2E42A98347D59CD1A98B19-WPRASKIN]
Sent: 4/26/2021 10:03:36 PM
To: Hays, David C Jr CIV USARMY CENWK (USA) [David.C.Hays@usace.army.mil]
Subject: RE: HPNS BUILD Direct Ingestion Results

Dave –

You may have noticed an error in cell X10 in the “Direct Ing Results” tab (representing the external slope factor for Ra-226).

The Navy informed me that the entry should be 1.52E-06, resulting in a total Ra-226+D risk of 6.09E-05.

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From: Praskins, Wayne
Sent: Thursday, April 22, 2021 2:49 PM
To: Hays, David C Jr CIV USARMY CENWK (USA) <David.C.Hays@usace.army.mil>
Subject: FW: HPNS BUILD Direct Ingestion Results

Dave –

Just got this from the Navy. They say they have run RESRAD BUILD with the modified inputs/assumptions we requested (direct rather than indirect ingestion, modified ingestion rate, and source expanded to floor and lower walls) and a clearer/more defensible conversion to risk.

If I understand correctly, rather than use RESRAD BUILD to generate risk values, they used RESRAD BUILD to estimate dose then applied isotope-specific DCFs in the spreadsheet to generate risk estimates.

You'll see in a note in the first tab that they calculate an ingestion rate based on depletion of source during the exposure period. They are using a value of 8.1×10^{-6} hr⁻¹. (Can this value be compared to the EPA/BPRG ingestion rate in units of area/time?)

It looks like they also assumed no dissipation of the source (other than through ingestion?) and zeroed out loss of radon.

Can you take a look? Do you have a few minutes to discuss Monday or Tuesday? Thanks.

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From: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA) <derek.j.robinson1@navy.mil>
Sent: Thursday, April 22, 2021 2:04 PM
To: Praskins, Wayne <Praskins.Wayne@epa.gov>
Subject: HPNS BUILD Direct Ingestion Results

Hi Wayne,

As discussed, attached is a file with RESRAD inputs and results.

Before we send you all of the RESRAD output files, we wanted to walk you through this and make sure that changes are not needed.

I will schedule a meeting for Tuesday next week. Please let me know your availability and/or if another day works better.

Best Regards,

Derek J. Robinson, PE
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